



HOTEL RESERVATION SYSTEM

Harsha Wardhan Reddy Duvvrv
Pratik Khandelwal
Lan Dao
Yi-Yun Su

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GROUP 4

Agenda



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GLOBAL SOURCE



1.2 M Rooms



6500 Properties



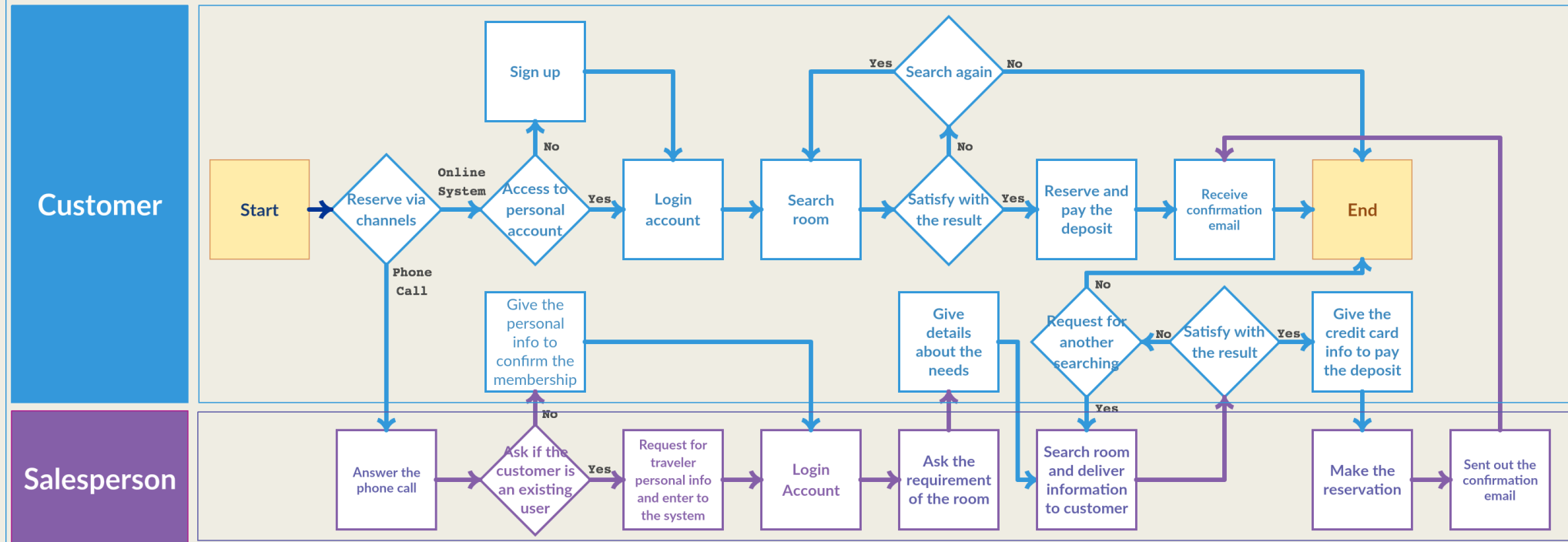
127 Countries

We are the largest hotel chain in the world, with more than 6,500 properties and over 1.2 million rooms in 127 countries around the world.

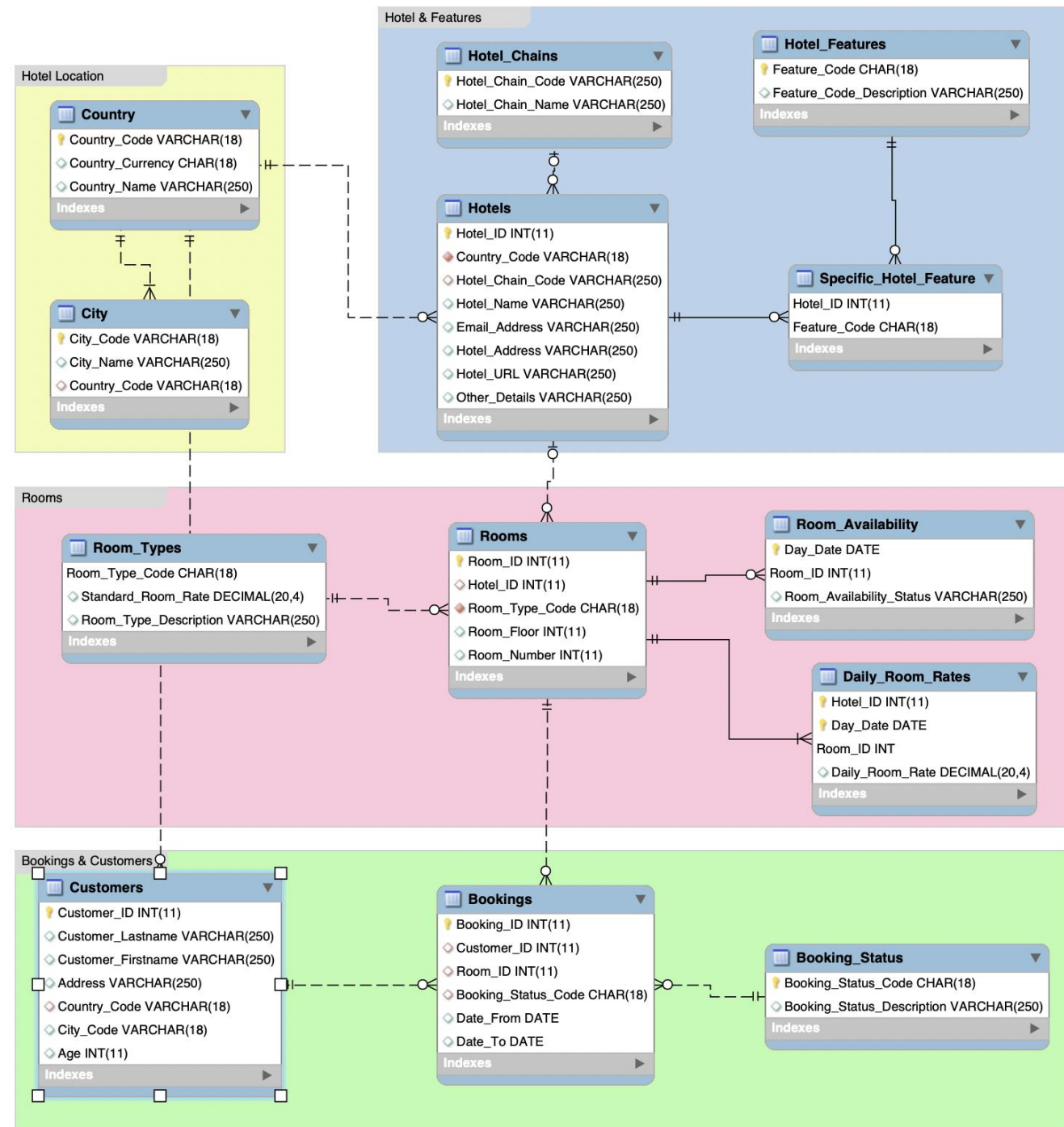
Using generic reservation system to organize booking will fasten our business and empower centralized management.



Swim Lane Diagram



Data Model



Use Cases

MANAGERS

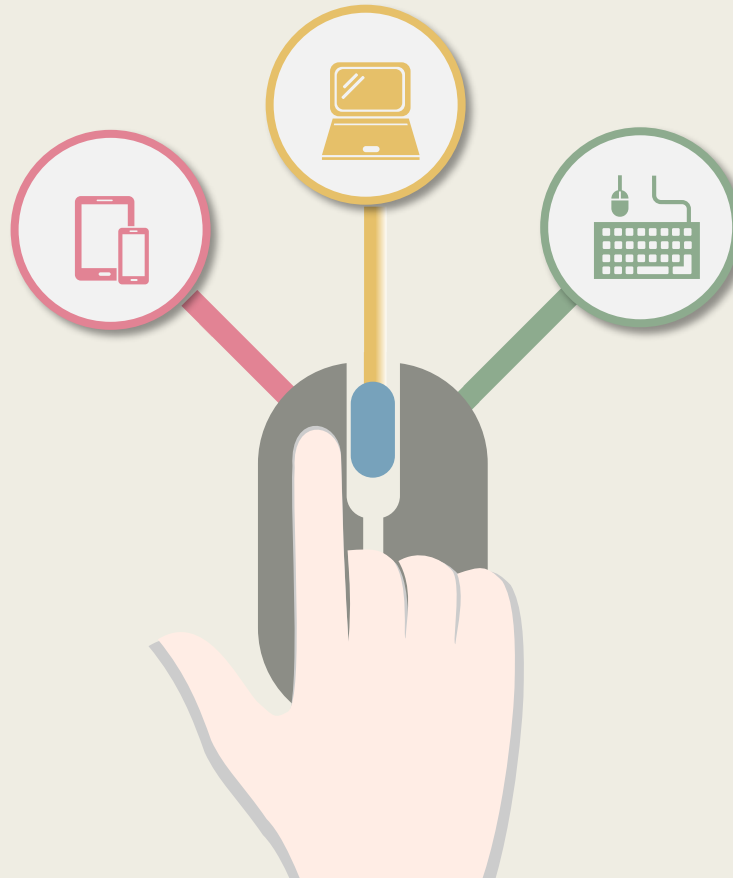
Can know the average occupancy rate for a specific time and hotel

CUSTOMERS

Can check their reservation confirmations and history.

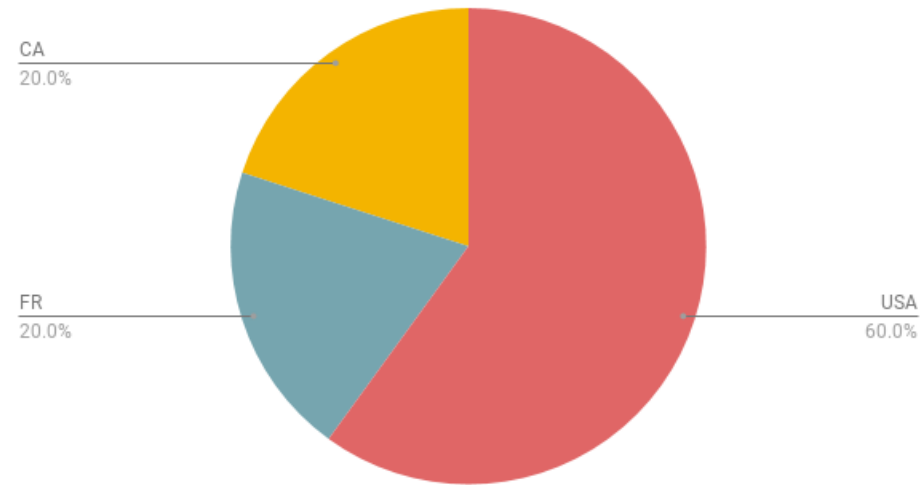
RESERVATION STAFF

Can check how many rooms are available for a specific day or period.

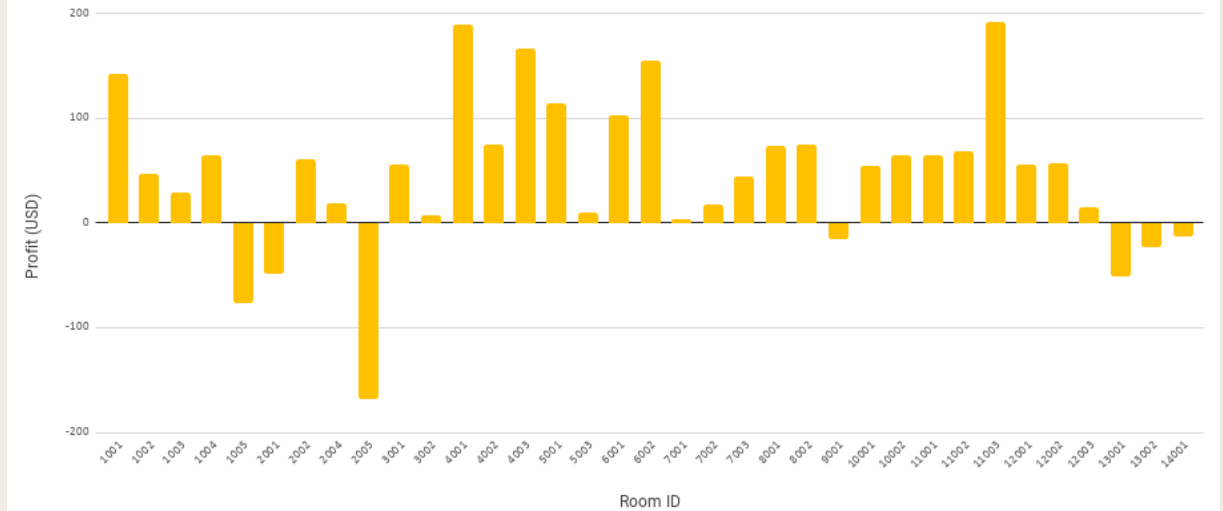


Business Metrics

Distribution of Booking by Nationality for Whole Group



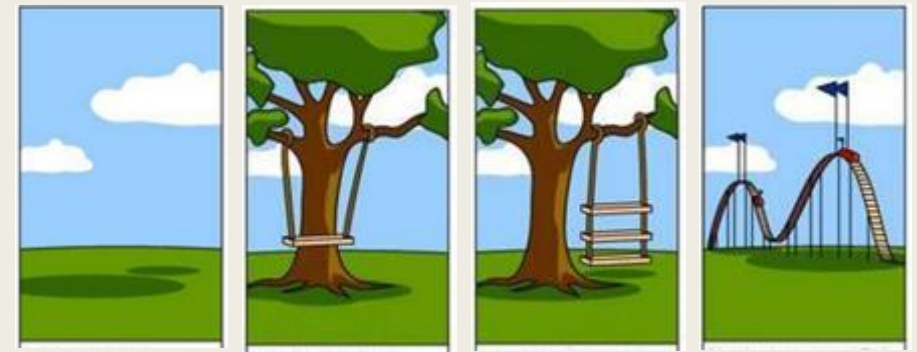
Profit per Room



Total Revenue by Chain
(Between Feb 1, 2019 to Feb 7, 2019)



Learnings



- Importance of capturing business requirements - Organization, processes, stakeholders.
- Scope of the project (be specific).
- Data models, ERD's - how soon it becomes complicated.
 - *should design carefully to remain consistent.*
 - *when to create a new entity ?*
 - *logical grouping, data normalization.*
- Constraints (painful but very helpful !)
- Challenges - Welcome to the real world of DBMS !
 - *Errors - Data Loading error , Query error, Duplicate key error etc.*
 - *Why my triggers are not firing? Forgot to add 'auto-increment' in primary key at the time of creating the table (DDL).*
- To do this project again
 - *Will use Enhanced ER concepts.*
 - *Use python as front end.*
 - *create different logins for different users.*

A person wearing a red coat is standing next to a vintage suitcase. The person's hand is visible, resting on the suitcase. The suitcase is light-colored with dark brown leather straps and buckles. The background is blurred, suggesting an outdoor setting. The text "THANK YOU" is overlaid in the center in a white, sans-serif font. Large white L-shaped brackets are positioned on the left and right sides of the image, framing the central text.

THANK YOU